

# MATERIAL SAFETY DATA SHEET



## MacDermid

INCORPORATED

245 FREIGHT ST. • WATERBURY, CT 06702 • (203) 575-5700

PRODUCT

MacStrip 478

PRODUCT  
CODE

10067

PRODUCT CODE MUST ACCOMPANY ALL INQUIRIES REGARDING THIS PRODUCT

2

1

0

Health Flammability Reactivity Other

Issue Date: 5/01/1994

Page: 1

Revised Date: 10/05/1995

3

24 HR. EMERGENCY NUMBER: CHEMTREC (800) 424-9300

## SECTION 1

## PRODUCT IDENTIFICATION

TRADE NAME: MacStrip 478

CHEMICAL FAMILY: ORGANIC MIXTURE

FORMULA: Proprietary Mixture

HMIS RATING: 2 HEALTH 1 FLAMMABILITY 0 REACTIVITY OTHER  
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

## SECTION 2

## HAZARDOUS INGREDIENTS

MacDermid Inc. has identified the following chemical ingredient(s) as hazardous.

INGREDIENT(S)	CAS #	BY WEIGHT %
Diethylene Glycol Butyl Ether	112-34-5	25 - 30

## SECTION 3

## PHYSICAL DATA

DENSITY: 8.510 LB/GL

FORM: LIQUID

SPECIFIC GRAVITY: 1.020

pH: NOT DETERMINED

FREEZING POINT: < NOT DETERMINED

FLASH POINT: 210.00F/ 98.88C

VAPOR PRESSURE: NOT DETERMINED

VOLATILE %: NOT DETERMINED

CHEMICAL OXYGEN DEMAND (COD): NOT DETERMINED

SOLUBILITY IN WATER: Emulsifies  
COLOR / ODOR: Light yellow/slight odor

NOTE: These physical properties are typical values for this product

## SECTION 4

## FIRE AND EXPLOSION DATA

FLASH POINT: 210.00F/ 98.88C

EXTINGUISHING MEDIA:  
NEVER allow run-off to enter sewers or waterways.  
Dry chemical; carbon dioxide; foam; water  
As appropriate for surrounding material

UNUSUAL FIRE & EXPLOSION HAZARDS:  
Product may burn but does not easily ignite

449206



IMPORTANT HEALTH & SAFETY INFORMATION

# MacDermid Incorporated

45 FREIGHT STREET - WATERBURY, CT08702 - TELEPHONE (203)575-5700 - TELEX 4436011 - FAX 203-575-5630

## MATERIAL SAFETY DATA SHEET

Product: MacStrip 478

Issue Date: 5/01/1994

Page: 2

Product Code: 10067

Revised Date: 10/05/1995

24 Hour Emergency Number: CHEMIREC (1-800-424-9300)

### SECTION 4

### FIRE AND EXPLOSION DATA (Continued)

Wear self-contained breathing apparatus/protective clothing

### SECTION 5

### FIRST AID DATA

Contact a physician in all cases of exposure. First aiders should provide for their own safety prior to rendering assistance

#### EYES:

Immediately flush with large quantities of water for at least 15 minutes and call a physician.

#### SKIN:

Flush with large amounts of water for 15 minutes.

#### INGESTION:

Call a physician immediately. Induce vomiting if victim is conscious. Never give anything by mouth to an unconscious person.

#### INHALATION:

Remove victim to fresh air and call a physician immediately. If not breathing give mouth to mouth respiration. If breathing is difficult, give oxygen.

**CAUTION:** If unconscious-having trouble breathing-or in convulsions do not induce vomiting or give water.

Always clean contaminated clothing and gear prior to reuse.  
NEVER administer anything to an unconscious person.

### SECTION 6

### HEALTH EFFECTS DATA

Primary Route(s) of Exposure: Eye, Skin, Inhalation, and Ingestion

#### EYE CONTACT (ACUTE):

Chemical irritation follows initial mechanical irritation  
May cause slight irritation to sensitive individuals  
Intense watering of eyes may occur

#### SKIN CONTACT (ACUTE):

Itching sensation may occur  
May cause irritation and damage to skin

#### SKIN CONTACT (CHRONIC):

Prolonged or repeated contact may cause irritation

# MacDermid Incorporated

46 FREIGHT STREET - WATERBURY, CT06702 - TELEPHONE (203)575-5700 - TELEX 4438011 - FAX 203-575-5830

## MATERIAL SAFETY DATA SHEET

Product: MacStrip 478

Issue Date: 5/01/1994

Page: 3

Product Code: 10067

Revised Date: 10/05/1995

24 Hour Emergency Number: CHEMIREC (1-800-424-9300)

---

### SECTION 6 HEALTH EFFECTS DATA (Continued)

---

#### INGESTION (ACUTE):

Irritation and burning sensation of lips/mouth and throat  
The substance is moderately toxic if swallowed.  
Headache and general weakness may occur

#### INHALATION (ACUTE):

Mild irritation to respiratory system  
Temporary headache may occur  
Irritation of mucous membrane of nose/mouth/throat may occur

---

### SECTION 7 PERSONAL PROTECTIVE DATA

---

#### RESPIRATORY PROTECTION:

If there is a value for OSHA-PEL/ACGIH-TLV in section 13 and it is exceeded, it is recommended that a NIOSH approved respirator be used. Consult with your Industrial Hygienist for appropriate cartridge selection and use.

For Large spills, entry into large tanks, vessels or enclosed small spaces with inadequate ventilation, a pressure demand, self contained breathing apparatus is recommended.

#### VENTILATION:

General ventilation is recommended. Additionally, local exhaust ventilation is recommended where vapors, dusts, mists or aerosols may be released.

#### PROTECTIVE EQUIPMENT:

Safety glasses and/or splash proof goggles, face shields and the availability of an eye wash is recommended.  
Chemical apron, boots and gloves. Recommended material of construction: neoprene. The availability of a safety shower is recommended. If clothing is contaminated remove clothing and thoroughly wash the affected body area.  
Launder contaminated clothing before reuse.

These are general recommendations to provide a safe level of protection for various material handling conditions. Consult with your Safety Professional/Industrial Hygienist for specific information regarding applications at your facility.

---

### SECTION 8 TOXICOLOGY DATA

---

# MacDermid Incorporated

245 FREIGHT STREET - WATERBURY, CT06702 - TELEPHONE (203)575-5700 - TELEX 4436011 - FAX 203-575-5630

## MATERIAL SAFETY DATA SHEET

Product: MacStrip 478

Issue Date: 5/01/1994

Page: 4

Product Code: 10067

Revised Date: 10/05/1995

24 Hour Emergency Number: CHEMIREC (1-800-424-9300)

### SECTION 8

### TOXICOLOGY DATA

(Continued)

**TOXICITY STUDIES:** Toxicity studies have not been conducted on this product. However, toxicity literature surveys have been conducted on the ingredient(s) in Section 2. The results are as follows:

**ACUTE ORAL TOXICITY:**  
Unknown

**ACUTE DERMAL TOXICITY:**  
Unknown

**ACUTE RESPIRATORY TOXICITY:**  
Unknown

**TOXICITY HAZARD REVIEW (THR):**  
Unknown

Listed as suspected carcinogen by: IARC: NO NTP: NO OSHA: NO

### SECTION 9

### REACTIVITY DATA

**INCOMPATIBILITY:**  
Acids, Oxidizing agents  
Strong bases

**HAZARD DECOMPOSITION PRODUCTS:**  
Under thermal conditions carbon monoxide and dioxide

**STABILITY:**  
Stable

**CONDITIONS TO AVOID:**  
Heat, spark, open flame

**HAZARDOUS POLYMERIZATION:**  
No Hazardous Polymerization.

### SECTION 10

### SPILLS & DISPOSAL DATA

In case of Transportation Accidents, call the following 24 hour telephone number: CHEMTREC (1-800-424-9300)

**SPILL CONTROL AND RECOVERY:**  
Wear protective clothing and equipment during cleanup. Absorb spills

# MacDermid Incorporated

245 FREIGHT STREET - WATERBURY, CT06702 - TELEPHONE (203)575-5700 - TELEX 4436011 - FAX 203-575-5630

## MATERIAL SAFETY DATA SHEET

Product: MacStrip 478

Issue Date: 5/01/1994

Page: 5

Product Code: 10067

Revised Date: 10/05/1995

24 Hour Emergency Number: CHEMIREC (1-800-424-9300)

### SECTION 10 SPILLS & DISPOSAL DATA (Continued)

on an inert material such as earth, sand or vermiculite; sweep up and dispose of in accordance with federal, state and local regulations.

#### DISPOSAL:

Incinerate at an EPA-approved incineration site.

Due to more restrictive waste disposal regulations, NEVER wastetreat or dispose of material until you check your appropriate local, state, & federal regulations for requirements. Spills may REQUIRE notification to FEDERAL, STATE and/or LOCAL AUTHORITIES.

### SECTION 11 TRANSPORTATION DATA

DOT PROPER SHIPPING NAME: NON-REGULATED

HAZARD: 0/NON REGULATED

UN/NA# : 000000

Pkg Grp:

DOT REPORTABLE QUANTITY (RQ): NOT APPLICABLE

IMO: ORGANIC ADDITIVE

IMO Class/Sub Class: NON-REGULATED/0/0

Pkg Grp:

UN/NA# : 000000

IATA: ORGANIC ADDITIVE

IATA CIs/Sub CIs: NON-REGULATED/0/0

Pkg Grp:

UN/NA# : 000000

EXPORT LICENSE MAY BE REQUIRED TO EXPORT THIS PRODUCT

### SECTION 12 GENERAL STORAGE DATA

STORAGE TEMPERATURE: MAXIMUM: 120.00F 48.88C Minimum: 37 F

Material should be stored in the properly sealed original container

Wear protective clothing and equipment while handling.

### SECTION 13 REGULATORY DATA

The following regulations apply to this product.

FEDERAL REGULATIONS:

# MacDermid Incorporated

246 FREIGHT STREET - WATERBURY, CT06702 - TELEPHONE (203)575-5700 - TELEX 4436011 - FAX 203-575-5630

## MATERIAL SAFETY DATA SHEET

Product: MacStrip 478

Issue Date: 5/01/1994

Page: 6

Product Code: 10067

Revised Date: 10/05/1995

24 Hour Emergency Number: CHEMIREC (1-800-424-9300)

### SECTION 13

### REGULATORY DATA

(Continued)

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200: Based on our evaluation, NO ingredients in this product are subject to this rule.

CERCLA/SUPERFUND, 40 CFR 117, 302/304: Notification of spills of this product is NOT required.

SARA/SUPERFUND AMENDMENTS & REAUTHORIZATION ACT of 1986 (TITLE III) Sections 302, 311, 312, & 313:

SECTION 302: Extremely Hazardous Substances (40 CFR 355)  
This product does not contain ingredient(s) listed in APPENDIX A of 40 CFR 355

#### SECTIONS 311 & 312 - M.S.D.S REQUIREMENTS (40 CFR 370):

- ☒ Immediate (Acute) health hazard    ☐ Delayed (Chronic) health hazard
- ☐ Fire Hazard    ☐ Sudden release of pressure hazard
- ☐ Reactive hazard

Under Section 311, submittal of MSDS or a list of product names to the local emergency planning commission, state emergency response commission, the local fire department is required after October 17, 1987. Consult the regulation for pertinent changes and updates.

#### SECTION 313 - LIST OF TOXIC CHEMICALS (40 CFR 372):

This product contains ingredient(s) listed under 40CFR 372.65

CHEMICAL NAME	CAS #	BY WEIGHT %
Glycol ethers	112-34-5	25 - 30

TOXIC SUBSTANCE CONTROL ACT (TSCA): The chemical ingredient(s) in this product are listed on the 8(b) Inventory List (40 CFR 710).

#### RESOURCE CONSERVATION & RECOVERY ACT (RCRA), 40 CFR 261 SUBPARTS C & D:

Please refer to Section 10, disposal information for pertinent data

#### TOTAL TOXIC ORGANICS

This product does not contain ingredients on the List of Total Toxic Organics

#### OSHA PROCESS SAFETY (1910.119):

This product does not contain ingredient(s) listed in Appendix A of 29 CFR 1910.119 list of Highly Hazardous Chemicals, Toxics and Reactives of OSHA process safety management.

#### CLEAN AIR ACT:

This product contains ingredient(s) listed in CAA Hazardous Air Pollutants (HAPs)

# MacDermid Incorporated

245 FREIGHT STREET - WATERBURY, CT08702 - TELEPHONE (203)575-5700 - TELEX 4436011 - FAX 203-575-5630

## MATERIAL SAFETY DATA SHEET

Product: MacStrip 478

Issue Date: 5/01/1994

Page: 7

Product Code: 10067

Revised Date: 10/05/1995

24 Hour Emergency Number: CHEMIREC (1-800-424-9300)

### SECTION 13

### REGULATORY DATA

(Continued)

of CAA 40 CFR 112(G).

CHEMICAL NAME	CAS #	BY WEIGHT %
Diethylene Glycol Butyl Ether	112-34-5	25 - 30

#### OZONE DEPLETING SUBSTANCES:

This product does not contain ingredient(s) listed on Ozone Depleting Substances of CAA 40 CFR 82.

#### STATE REGULATIONS:

##### California Proposition 65:

This product complies with the MSDS and labeling requirements of the Safe Drinking Water and Toxic Enforcement Act of 1986.

This product does not contain ingredient(s) listed on California Prop65 List

##### Michigan Critical Materials:

This product does not contain ingredient(s) listed on the Michigan Critical Materials Register.

The information listed above does not include all Federal, State, and International regulations. The regulations listed above may change from time to time; it is the users responsibility to keep advised of current regulatory requirements.

Prepared by MacDermid Inc. Safety & Regulatory Compliance Department, based upon publicly available reference information.

### SECTION 14

### USER NOTIFICATION

To the best of our knowledge the information contained herein is correct. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. Users of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HERE UNDER WITHRESPECT TO THE INFORMATION CONTAINED HEREIN OR THE CHEMICAL TO WHICH THE INFORMATION REFERS.